

CHAPTER 3

EXPLANATION OF PLANING TABLES (INSTALLATIONS)

3-1. Arrangement of Planning Tables

"Planning table" is the term used for data published in this manual as AFCS installations. The paragraphs that follow explain the parts of a planning table.

3-2. Installation Number

Installations are shown in ascending order according to the installation number in the upper right-hand corner, which consists of two alpha and four numeric characters. The number is used to identify the complete bill of materials required to construct that installation. This number also identifies the corresponding construction drawing in TM 5-302.

3-3. Installation Description

The installation description appears in the upper left-hand corner, and includes the title, climatic zone, standard and type of construction, purpose, minimum real estate requirements, and utility and aggregate requirements. The following items are contained in the planning tables:

a. **Aggregate Requirements.** Aggregate cannot be requisitioned from the bills of materials. It is assumed to be available within 5 miles of the construction site.

b. **Utility and Road Requirements.** Installation requirements include roads, fences, water treatment, sewage treatment, and electrical generation. Facilities providing these requirements are generally not automatically included in the installation. Several installations may be grouped into a complex, with the additional supporting requirements computed for the total complex. The user should carefully review the supporting facilities included in the installation planning table, use the TM 5-302 drawing and TM 5-303 bill of materials for additional information, and augment the listing of the additional required facilities. Also, appropriate adjustments should be made to the utility sizes and quantities where site plans are changed to

accommodate actual field conditions, topography changes, and dispersal requirements.

c. **Facility Number.** Shows the five numeric and two alpha characters that identify each AFCS facility.

d. **Facility Description.** Provides a short description of the facilities included in the installation.

e. **Size or Unit.** Gives dimensions, capacity or unit of measure for each facility in the installation.

f. **Basis.** Gives the criteria or standard planning basis upon which facilities are included in the installation.

g. **Quantity Required.** Indicates the actual quantity of a particular facility included in the installation.

h. **Material.** Display the total material logistic and cost data associated with the number of facilities in the "Quantity Required" column. The column with the heading "WT-ST" gives the weight of the material to include packaging materials in short tons (2,000 pounds). The column with the heading "VOL-MT" gives the shipping volume to include packaging materials in measurement tons (40 cubic feet). The cost of the material is shown to the nearest dollar in the "COST" column. The material costs are current as of the listed date. Appropriate inflation factors should be added if data shown is more than 6 months old and a more precise cost is required. CONUS material costs are the only costs shown in AFCS.

i. **Construction Man-hours.** Display the estimated horizontal, vertical, and general construction man-hours for construction by engineer troop units.

j. **Installation Totals.** The material logistic and cost data and construction effort totals are shown at the end of each table. It should be noted that the costs listed are CONUS material costs only and are current only at the time of publication and thus may be somewhat outdated.